Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/11/2022 08:53 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124035	-1	1.77	123886	1.78
Blue	F	SSC	125000	123763	-1	3.59	124333	3.52
Blue	E	FITC	15860	15366	-4	2.38	376	13.58
Blue	D	PE	27718	27433	-2	1.88	637	10.02
Blue	B	PerCP-Cy5-5	38046	36825	-4	3.12	1006	14.80
Blue	A	PE-Cy7	26092	25748	-2	4.92	509	30.07
Red	C	APC	49104	48433	-2	2.62	1707	11.24
Red	A	APC-Cy7	28201	27401	-3	3.13	725	12.35
Violet	B	V450	9904	9297	-7	3.73	521	12.16
Violet	A	V500	39004	37203	-5	3.27	974	9.14

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23704	2.21	564	-5	N/A	N/A	Pass
Blue	F	SSC	55360	2.03	518	-10	N/A	N/A	Pass
Blue	E	FITC	57	55.60	487	-4	0.0483	111	Pass
Blue	D	PE	124	37.49	493	-3	0.4868	357	Pass
Blue	B	PerCP-Cy5-5	139	44.33	584	-5	0.0202	74	Pass
Blue	A	PE-Cy7	64	88.96	627	-5	0.0220	0	Pass
Red	C	APC	327	26.26	577	-4	0.0289	163	Pass
Red	A	APC-Cy7	97	42.10	549	-6	0.0061	1080	Pass
Violet	B	V450	84	50.02	463	5	0.0456	1711	Pass
Violet	A	V500	121	36.13	475	6	0.0237	1662	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.17	-31.84	1.02
Blue	20.37	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.44
Red	16.01	13.90 - 20.86	N/A	N/A	30.09	30.43	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9552

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments